

AMENDMENTS TO THE SEQUENCE LISTING

IN THE SEQUENCE LISTING

Please replace the Sequence Listing of record with the Substitute Sequence Listing enclosed herewith.

SEQUENCE LISTING

<110> Ichiro HIRAO et al.

<120> NUCLEOSIDES OR NUCLEOTIDES HAVING NOVEL UNNATURAL BASES AND USE THEREOF

<130> 0230-0222PUS1

<140> US 10/521,454

<141> 2005-01-14

<150> JP 2002-208568

<151> 2002-07-17

<160> 14

<170> Patentin 3.3

<210> 1

<211> 100

<212> RNA

<213> Artificial sequence

<220>

<223> RNA aptamer

<400> 1

gggaguggag gaauucaucg aggcauaugu cgacuccguc uuccuucaaa ccaguuauaa 60

auugguuuuu gcuaugccu uagcgacagc aagcuucugc 100

<210> 2

<211> 39

<212> DNA

<213> Artificial sequence

<220>

<223> Designed primer for PCR

<400> 2

ggtaatacga ctactatag ggagtggagg aattcatcg 39

<210> 3

<211> 29

<212> DNA

<213> Artificial sequence

<220>

<223> Designed primer for PCR

<400> 3

gcagaagctt gctgtcgcta aggcataatg 29

<210> 4

<211> 29

<212> DNA
 <213> Artificial sequence

 <220>
 <223> Designed primer for PCR

 <220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is an unnatural base equivalent to a 2-amino-6-(2-thienyl)-purine-9-yl group

 <400> 4
 gcagaagctt gctgtcncta aggcatatg 29

 <210> 5
 <211> 29
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> Designed primer for PCR

 <220>
 <221> misc_feature
 <222> (14)..(14)
 <223> n is an unnatural base equivalent to a 2-amino-6-(2-thienyl)-purine-9-yl group

 <400> 5
 gcagaagctt gctntcgcta aggcatatg 29

 <210> 6
 <211> 29
 <212> DNA
 <213> Artificial sequence

 <220>
 <223> Designed primer for PCR

 <220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is an unnatural base equivalent to a 2-amino-6-(2-thienyl)-purine-9-yl group

 <400> 6
 gcagaagcnt gctgtcgcta aggcatatg 29

 <210> 7
 <211> 29
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Designed primer for PCR

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, g, c, t, unknown or other

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is an unnatural base equivalent to a 2-amino-6-(2-thienyl)-purine-9-yl group

<400> 7
 gcagaagcnt gctgtcncta aggcatatg 29

<210> 8
 <211> 35
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Synthesized template strand for transcription

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is an unnatural base equivalent to a 2-amino-6-(2-thienyl)-purine-9-yl group

<400> 8
 tattatgctg agtgatatcc ctccttctnt ctcgt 35

<210> 9
 <211> 35
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Synthesized template strand for transcription

<400> 9
 tattatgctg agtgatatcc ctccttctat ctcgt 35

<210> 10
 <211> 28
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Designed primer for transcription

<400> 10
 ataatcgact ctactatagg gaggaaga 28

<210> 11
 <211> 200
 <212> RNA
 <213> Artificial sequence

<220>
 <223> RNA aptamer 9A

<400> 11
 gggaguggag gaauucaucg aggcauangu cgacuccguc uuccuucaaa ccaguuauaa 60
 auugguuuuu gcuaugccu uagcgacagc aagcuucugc gggaguggag gaauucaucg 120
 aggcauangu cgacuccguc uuccuucaaa ccaguuauaa auugguuuuu gcuaugccu 180
 uagcgacagc aagcuucugc 200

<210> 12
 <211> 101
 <212> RNA
 <213> Artificial sequence

<220>
 <223> RNA aptamer 2x9A

<400> 12
 gggaguggag gaauucaucg aggcaucugg gaaccuauc uugcuuuugg uagcuguauu 60
 caccuguaac agcauugcc uuagcgacag caagcuucug c 101

<210> 13
 <211> 15
 <212> RNA
 <213> Artificial sequence

<220>
 <223> Synthetic RNA 15-mer

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, g, c, u, unknown or other

<400> 13
 gggaggaaga nagag 15

<210> 14
 <211> 17
 <212> RNA
 <213> Artificial sequence

<220>
<223> Synthetic RNA 17-mer

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, g, c, u, unknown or other

<400> 14
gggaggaaga nagagca 17